

ABSTRACT OF THE DISCLOSURE

Under the knowledge which two kinds of intracellular signal transfer mechanism of TGF - $\beta$  super family receptor exist: a pathway via Smad molecule and a pathway via novel MAP kinase such as TAB1 and TAK1, and the knowledge of interaction of Smad molecule with intranuclear receptor or CBP/p300 on the transcription control by Smad molecule, a screening method and a molecular designing method for pharmaceuticals with identified site of action and higher specificity can be accomplished.

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